

**Patent Assignment Abstract of Title****COPY**

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**Total Assignments: 1**

**Patent** 6201123    **Issue Dt:** 03/13/2001    **Appl. No:** 09315728    **Filing Dt:** 05/21/1999  
**No:**

**Title:** CATALYST COMPOSITION, CATALYST SOLUTION AND PROCESS FOR  
PREPARING OPTICALLY ACTIVE EPOXIDE

**Assignment: 1**

**Reel/Frame:** 010047/0246

**Date** 06/24/1999  
**Recorded:**

**Number of 2**  
**Pages:**

**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE  
DOCUMENT FOR DETAILS).

**Assignor:** DAIKAI, KAZUHIRO  
KAMAURA, MASAHIRO  
HANAMOTO, TAKESHI  
INANAGA, JUNJI

**Exec Dt:** 05/28/1999

**Exec Dt:** 05/28/1999

**Exec Dt:** 05/28/1999

**Exec Dt:** 05/28/1999

**Assignee:** TOSOH CORPORATION  
4560, KAISEI-CHO, SHINNANYO-SHI  
YAMAGUCHI, JAPAN 746-8

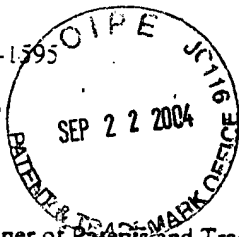
**Correspondent:** NIXON & VANDERHYE P.C.  
ARTHUR R. CRAWFORD  
1100 NORTH GLEBE ROAD, 8TH FLOOR  
ARLINGTON, VA 22201

Results as of: 5/17/2002 12:06:14 P.M.

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*If you have any comments or questions concerning the data displayed, contact OPR / Assignments at 703-308-9723*

*Date Last Updated: 01/31/2002*



03-12-2001



101632338

PATENTS ONLY

SHEET

U.S. Department of Commerce  
Patent and Trademark Office

**COPY**

Our Ref.: 380-33

2.21.01

Commissioner of Patents and Trademarks  
Box Assignment, Washington, D.C. 20231

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Junji INANAGA  
Takumi KAGAWA

2. Name and address of receiving party(ies):

Name: TOSOH CORPORATION

Internal Address: \_\_\_\_\_

Street Address: 4560, Kaisei-cho, Shinnanyo-shi

City: Yamaguchi-ken

State/Country: Japan

Zip: 746-8501

Additional name/s of conveying party/ies attached? ☐

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Assignment ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: February 8, 2001 and February 7, 2001

Additional name/s & address/es attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

February 8, 2001 And  
February 7, 2001

A. Patent Application No(s).

- (1) Unknown  
(2)  
(3)

B. Patent No(s).

- (1)  
(2)  
(3)

Additional numbers attached ☐ Yes ☒ No

09788371

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Arthur R. Crawford

Internal Address: \_\_\_\_\_

Street Address: Nixon & Vanderhve P.C.

1100 North Glebe Road

8<sup>th</sup> Floor

City: Arlington State: VA Zip: 22201

6. Total number of applications & patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00

- ☒ Enclosed  
☐ Authorized to be charged to deposit account #14-1140

8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No. 14-1140.

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9. Statements and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Arthur R. Crawford

Name of Person Signing

Reg. No. 25,327

[Signature]  
Signature

February 21, 2001

Date

Total number of pages including original cover sheet, attachments, and document:

[2]



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
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Washington, D.C. 20231

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\*101632338A\*

PTAS

NIXON & VANDERHYE P.C.  
ARTHUR R. CRAWFORD  
1100 NORTH GLEBE ROAD  
8TH FLOOR  
ARLINGTON, VA 22201

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/21/2001

REEL/FRAME: 011559/0586  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
INANAGA, JUNJI

DOC DATE: 02/08/2001

ASSIGNOR:  
KAGAWA, TAKUMI

DOC DATE: 02/07/2001

ASSIGNEE:  
TOSOH CORPORATION  
4560, KAISEI-CHO, SHINNANYO-SHI  
YAMAGUCHI-KEN, JAPAN 746-8501

SERIAL NUMBER: 09788371  
PATENT NUMBER:

FILING DATE:  
ISSUE DATE:

ANTIONE ROYALL, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION

PATENT NO. : 6,201,123 B1  
DATED : March 13, 2001  
INVENTOR(S) : Dabasi et al.

Page 1 of 1  
**COPY**

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page

Item (73) Assignee delete "Techno Polymer Co., Ltd. Tokyo, (JP)" and insert  
— Tosoh Corporation, Yamaguchi, (JP) —.

Signed and Sealed this

Twenty-eighth Day of August, 2001

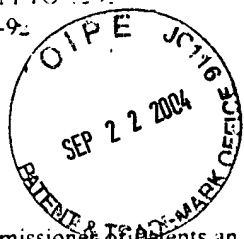
Attest:

*Nicholas P. Godici*

Attesting Officer

NICHOLAS P. GODICI  
Acting Director of the United States Patent and Trademark Office

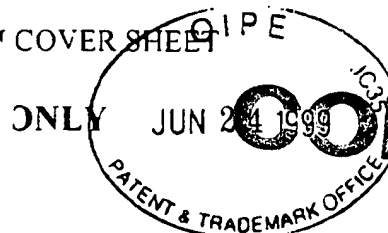
1-31-92



06-28-1999



101078660



ONLY JUN 24 1999 COPY Ref. 1157-21

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Box Assignment, Washington, D.C. 20231

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): Kazuhiro Daikai Masahiro Kamaura Takeshi Hanamoto Junji Inanaga</p> <p>Additional name/s of conveying party/ies attached? <input type="checkbox"/></p> <p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Assignment <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____</p> <p>Execution Date: _____</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: TOSOH CORPORATION Internal Address: _____ Street Address: 4560, Kaisei-cho, Shinnanyo-shi _____ _____ City: Yamaguchi State/Country: Japan Zip: 746-8501</p> <p>Additional name/s &amp; address/es attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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4. Application number(s) or patent number(s):  
If this document is being filed together with a new application, the execution date of the application is: N/A

<p>A. Patent Application No(s): (1) 09/315,728 (2) _____ (3) _____</p>	<p>B. (1) _____ (2) _____ (3) _____</p>
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Additional numbers attached ☐ Yes ☒ No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Arthur R. Crawford Internal Address: _____ Street Address: Nixon &amp; Vanderhye P.C. 1100 North Glebe Road 8th Floor City: Arlington State: VA Zip: 22201</p>	<p>6. Total number of applications &amp; patents involved: 1</p> <p>7. Total fee (37 CFR 3.41) \$ 40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account #14-1140</p> <p>8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No. 14-1140.</p>
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9. Statements and signature.  
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

<p>Arthur R. Crawford Name of Person Signing Reg. No. 25,327</p>	<p><i>Arthur R. Crawford</i> Signature</p>	<p>June 24, 1999 Date</p>
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Number of pages including original cover sheet, attachments, and document: [2]

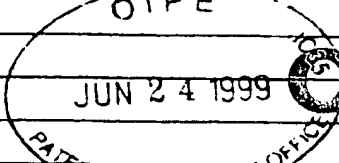
06/25/1999 Y61ZAW

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# ASSIGNMENT OF PATENT APPLICATION


**COPY**

(Inventors) (1) Kazuhiro DAIKAI  
 (2) Masahiro KAMAJURA  
 (3) Takeshi HANAMOTO  
 (4) Junji INANAGA and

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(Assignee) (5) TOSOH CORPORATION

(Address) (6) of 4560, Kaisei-cho, Shinnanyo-shi, Yamaguchi, 746-8501 Japan

(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, and for the country of

(Other Countries) (7) \_\_\_\_\_ in the invention, and all applications for patent and any Letters Patent which may be granted therefor, known as

(Title) (8) CATALYST COMPOSITION, CATALYST SOLUTION AND PROCESS FOR PREPARING OPTICALLY ACTIVE EPOXIDE (Case No. \_\_\_\_\_)

for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed

(9) on \_\_\_\_\_ or has already filed in

(10) U.S. appln. Serial Number 09/315,728, filed on May 21, 1999

(11) The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

1) The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

2) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

3) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

4) The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. the power to insert on this assignment any further identification which may be necessary to desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date May 28, 1999 Signature of Inventor (1) Kazuhiro Daihai  
 Date May 28, 1999 Signature of Inventor (2) Masahiro Kamajura  
 Date May 28, 1999 Signature of Inventor (3) Takeshi Hanamoto  
 Date May 28, 1999 Signature of Inventor (4) Junji Inanaga

Witnessed by:

Witness Masaaki Mishima Date May 28, 1999  
 Witness Masuo Fujio Date May 28, 1999

# ASSIGNMENT OF PATENT APPLICATION

7-355-42  
(200-2492-42)

**COPY**

(1) Junji Inanaga  
(2) Takumi Kagawa  
(Inventors) (3) \_\_\_\_\_ and  
(4) \_\_\_\_\_

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to  
TOSOH CORPORATION

(Assignee) (5) \_\_\_\_\_  
(Address) (6) of 4560, Kaisei-cho, Shinnanyo-shi, Yamaguchi-ken, 746-8501 Japan

(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, and for the country of

(Other Countries) (7) \_\_\_\_\_ in the invention, and all applications for patent and any Letters Patent which may be granted therefor, known as

(Title) (8) CATALYST FOR ASYMMETRIC EPOXIDATION OF ENONES AND PROCESS FOR PRODUCING OPTICALLY ACTIVE EPOXIDE EMPLOYING IT (Case No. \_\_\_\_\_)

for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed

(9) on February 7 and 8, 2001 or has already filed in

(10) U.S. appln. Serial Number \_\_\_\_\_, filed on \_\_\_\_\_

(11) The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

1) The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

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In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date 08/02/2001 Signature of Inventor (1) Junji Inanaga

Date 07/02/2001 Signature of Inventor (2) Takumi Kagawa

Date \_\_\_\_\_ Signature of Inventor (3) \_\_\_\_\_

Date \_\_\_\_\_ Signature of Inventor (4) \_\_\_\_\_

Witnessed by:

Witness \_\_\_\_\_ Date \_\_\_\_\_

Witness \_\_\_\_\_ Date \_\_\_\_\_